

# Notice of Allowability

Application No.

09/517,895

Examiner

LeChi Truong

Applicant(s)

NOVIK ET AL.

Art Unit

2126

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 09/28/2004.
2. ☒ The allowed claim(s) is/are 11-32 now renumbered as claims 1-22.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☒ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |   |   |
|---|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 2 <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)            | 6 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. _____. |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No: _____  | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance            |
|   | 9 <input type="checkbox"/> Other  |

  
**MENG-AL T. AN**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

### Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Albert S. Michalik (Registration number: 37,395), on 11/08/2004.

3. Amend the following claims:

(I) In claim 11:

(i) line 2, insert before “,” - - for filtering events- - .

(II) In claim 19:

(i) line 2, insert before “,” - - for filtering events- - .

(III) In claim 21:

(i) line 2, insert before “,” - - for filtering events- - .

(ii) line 10, replace “ two” with - - one - - .

line 10, replace “ the leaf node” with - - each leaf node - - .

(iii) line 11, insert before “.” - - ; traversing the event filtering tree to determine at least one query satisfied by the event, including, reaching an OR node, branching to a child node of the OR node, performing a first

evaluation of the child node against information of the event, branching to a leaf node based on the result of the first evaluation and obtaining query information from that leaf node, returning to the OR node, branching to another child of the OR node, performing a second evaluation of the other child node against information of the event, branching to a leaf node based on the result of the second evaluation and obtaining query information from that leaf node, and using the query information obtained from each leaf node that was reached to determine at least one subscriber to notify of the occurrence of the event - -.

(IV) In claim 26:

(i) line 1, insert after "A" - - computer implemented - - .

(ii) line 8, insert before "and" - - traversing the event filtering tree to determine at least one query satisfied by the event, including, reaching the OR node, branching to a child node of the OR node, performing a first evaluation of the child node against information of the event, branching to a leaf node based on the result of the first evaluation and obtaining query information from that leaf node, returning to the OR node, branching to another child of the OR node, performing a second evaluation of the other child node against information of the event, branching to a leaf node based on the result of the second evaluation and obtaining query information from that leaf node, and using the query information obtained from each leaf node that was reached to determine at least one subscriber to notify of the occurrence of the event; - - .

(V) In claim 32

replace claim 32 as follows:

claim 32: A computer readable medium having computer-executable instructions for performing the method of filtering events comprising:

receiving notification of a plurality of events;

traversing a composite event filtering tree created using a boolean constructor for determining at least one query satisfied by the events, the composite event filtering tree having an OR node with children added from a merger of child nodes of two or more event filtering trees when such child nodes may be successfully combined and with children added from each child node of the trees when such child nodes cannot be successfully combined;

traversing the event filtering tree to determine at least one query satisfied by the event, including, reaching the OR node, branching to a child node of the OR node, performing a first evaluation of the child node against information of the event, branching to a leaf node based on the result of the first evaluation and obtaining query information from that leaf node, returning to the OR node, branching to another child of the OR node, performing a second evaluation of the other child node against information of the event, branching to a leaf node based on the result of the second evaluation and obtaining query information from that leaf node, and using the query information obtained from each leaf node that was reached to determine at least one subscriber to notify of the occurrence of the event; and

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notifying at least one subscriber that the query was satisfied.

***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is ( 571) 272 3767. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

LeChi Truong

November 16, 2004

  
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